CLAIMS

What is claimed is:

1 1.   A method for automatically entering information into form fields

2 comprising the steps of:

3   storing information to be entered into at least one form field in a wallet;

4   invoking an application program in response to an indication from a user

5 of a mobile device to do so;

6   scanning content transmitted from the application program to the mobile

7 device to find a form having at least one field into which information is to

8 entered;

9   accessing the wallet to retrieve information to enter into the at least one

10 field, if at least one mapping for the form exists;

11   entering the retrieved information into the at least one field; and

12   transmitting the form including the entered information to the mobile

13 device for display to the user.

1 2.   The method of claim 1, wherein in the wallet comprises a plurality of

2 compartments for information.

1 3.   The method of claim 2, wherein in the plurality of compartments for

2 information in the wallet have a hierarchical arrangement.

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1 4.   The method of claim 2, further comprising the steps of:

2   receiving at least one edit made by the user of the mobile device to the

3 entered information; and

4   transmitting the form including the edited entered information to the

5 application program.

1 5.   The method of claim 4, wherein the mapping for the form comprises

2 information mapping at least one field of the form into which information is to be

3 entered to at least one compartment for information in the wallet.

1 6.   The method of claim 4, further comprising the step of:

2   creating information mapping at least one field of the form into which

3 information is to be entered to at least one compartment for information in the

4 wallet based on the received selection of information made by the user, if no

5 mapping existed for the at least one field.

1 7.   The method of claim 5, further comprising the step of:

2   updating information mapping at least one field of the form into which

3 information is to be entered to at least one compartment for information in the

4 wallet based on the received selection of information made by the user, if the

5 entered information was edited by the user.

1 8. The method of claim 4, further comprising the step of:

2 creating at least one compartment for information in the wallet; and

3 creating information mapping at least one field of the form into which

4 information is to be entered to the at least one compartment for information in the

5 wallet based on the received selection of information made by the user, if no

6 mapping existed for the at least one field.

1 9. The method of claim 4, further comprising the steps of:

2 transmitting the form to the mobile device, if no mappings for the form

3 exist;

4 receiving at least one selection of information to be entered into the at

5 least one field of the form into which information is to be entered made by the

6 user of the mobile device; and

7 transmitting the form including the selected information to the application

8 program.

1 10. The method of claim 9, wherein the at least one selection of information is

2 made from information stored in a compartment for information in the wallet.

1   11.   The method of claim 10, further comprising the step of:

2   creating information mapping at least one field of the form into which

3   information is to be entered to the at least one compartment for information in the

4   wallet based on the received selection of information made by the user.

1   12.   The method of claim 2, further comprising the steps of:

2   transmitting the form to the mobile device, if no mappings for the form

3   exist;

4   receiving at least one selection of information to be entered into the at

5   least one field of the form into which information is to be entered made by the

6   user of the mobile device; and

7   transmitting the form including the selected information to the application

8   program.

1   13.   The method of claim 12, wherein the at least one selection of information

2   is made from information stored in a compartment for information in the wallet.

1   14.   The method of claim 13, further comprising the step of:

2   creating information mapping at least one field of the form into which

3   information is to be entered to the at least one compartment for information in the

4   wallet based on the received selection of information made by the user.

1   15.   A system for automatically entering information into form fields

2   comprising:

3   a processor operable to execute computer program instructions; and

4   a memory operable to store computer program instructions executable

5   by the processor, for performing the steps of:

6   storing information to be entered into at least one form field in a wallet;

7   invoking an application program in response to an indication from a user

8   of a mobile device to do so;

9   scanning content transmitted from the application program to the mobile

10   device to find a form having at least one field into which information is to

11   entered;

12   accessing the wallet to retrieve information to enter into the at least one

13   field, if at least one mapping for the form exists;

14   entering the retrieved information into the at least one field; and

15   transmitting the form including the entered information to the mobile

16   device for display to the user.

1   16.   The system of claim 15, wherein in the wallet comprises a plurality of

2   compartments for information.

1   17.   The system of claim 16, wherein in the plurality of compartments for

2   information in the wallet have a hierarchical arrangement.

1   18.   The system of claim 16, further comprising the steps of:

2   receiving at least one edit made by the user of the mobile device to the

3   entered information; and

4   transmitting the form including the edited entered information to the

5   application program.

1   19.   The system of claim 18, wherein the mapping for the form comprises

2   information mapping at least one field of the form into which information is to be

3   entered to at least one compartment for information in the wallet.

1   20.   The system of claim 18, further comprising the step of:

2   creating information mapping at least one field of the form into which

3   information is to be entered to at least one compartment for information in the

4   wallet based on the received selection of information made by the user, if no

5   mapping existed for the at least one field.

1   21.   The system of claim 19, further comprising the step of:

2   updating information mapping at least one field of the form into which

3   information is to be entered to at least one compartment for information in the

4   wallet based on the received selection of information made by the user, if the

5   entered information was edited by the user.

1   22.   The system of claim 18, further comprising the step of:

2   creating at least one compartment for information in the wallet; and

3   creating information mapping at least one field of the form into which

4   information is to be entered to the at least one compartment for information in the

5   wallet based on the received selection of information made by the user, if no

6   mapping existed for the at least one field.

1   23.   The system of claim 18, further comprising the steps of:

2   transmitting the form to the mobile device, if no mappings for the form

3   exist;

4   receiving at least one selection of information to be entered into the at

5   least one field of the form into which information is to be entered made by the

6   user of the mobile device; and

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7   transmitting the form including the selected information to the application

8   program.

1   24.   The system of claim 23, wherein the at least one selection of information

2   is made from information stored in a compartment for information in the wallet.

1   25.   The system of claim 24, further comprising the step of:

2   creating information mapping at least one field of the form into which

3   information is to be entered to the at least one compartment for information in the

4   wallet based on the received selection of information made by the user.

1   26.   The system of claim 16, further comprising the steps of:

2   transmitting the form to the mobile device, if no mappings for the form

3   exist;

4   receiving at least one selection of information to be entered into the at

5   least one field of the form into which information is to be entered made by the

6   user of the mobile device; and

7   transmitting the form including the selected information to the application

8   program.

1   27.   The system of claim 26, wherein the at least one selection of information

2   is made from information stored in a compartment for information in the wallet.

1   28.   The system of claim 27, further comprising the step of:

2   creating information mapping at least one field of the form into which

3   information is to be entered to the at least one compartment for information in the

4   wallet based on the received selection of information made by the user.

1   29.   A computer program product for automatically entering information into

2   form fields comprising:

3   a computer readable medium;

4   computer program instructions, recorded on the computer readable

5   medium, executable by a processor, for performing the steps of

6   storing information to be entered into at least one form field in a wallet;

7   invoking an application program in response to an indication from a user

8   of a mobile device to do so;

9   scanning content transmitted from the application program to the mobile

10   device to find a form having at least one field into which information is to

11   entered;

12   accessing the wallet to retrieve information to enter into the at least one

13   field, if at least one mapping for the form exists;

14   entering the retrieved information into the at least one field; and

15   transmitting the form including the entered information to the mobile

16   device for display to the user.

1   30.   The computer program product of claim 29, wherein in the wallet

2   comprises a plurality of compartments for information.

1   31.   The computer program product of claim 30, wherein in the plurality of

2   compartments for information in the wallet have a hierarchical arrangement.

1   32.   The computer program product of claim 30, further comprising the steps

2   of:

3   receiving at least one edit made by the user of the mobile device to the

4   entered information; and

5   transmitting the form including the edited entered information to the

6   application program.

1   33.   The computer program product of claim 32, wherein the mapping for the

2   form comprises information mapping at least one field of the form into which

3   information is to be entered to at least one compartment for information in the

4   wallet.

1 34. The computer program product of claim 32, further comprising the step

2 of:

3 creating information mapping at least one field of the form into which

4 information is to be entered to at least one compartment for information in the

5 wallet based on the received selection of information made by the user, if no

6 mapping existed for the at least one field.

1 35. The computer program product of claim 33, further comprising the step

2 of:

3 updating information mapping at least one field of the form into which

4 information is to be entered to at least one compartment for information in the

5 wallet based on the received selection of information made by the user, if the

6 entered information was edited by the user.

1 36. The computer program product of claim 32, further comprising the step

2 of:

3 creating at least one compartment for information in the wallet; and

4 creating information mapping at least one field of the form into which

5 information is to be entered to the at least one compartment for information in the

6   wallet based on the received selection of information made by the user, if no

7   mapping existed for the at least one field.

1   37.   The computer program product of claim 32, further comprising the steps

2   of:

3   transmitting the form to the mobile device, if no mappings for the form

4   exist;

5   receiving at least one selection of information to be entered into the at

6   least one field of the form into which information is to be entered made by the

7   user of the mobile device; and

8   transmitting the form including the selected information to the application

9   program.

1   38.   The computer program product of claim 37, wherein the at least one

2   selection of information is made from information stored in a compartment for

3   information in the wallet.

1   39.   The computer program product of claim 38, further comprising the step

2   of:

3   creating information mapping at least one field of the form into which

4   information is to be entered to the at least one compartment for information in the

5   wallet based on the received selection of information made by the user.

1   40.   The computer program product of claim 30, further comprising the steps

2   of:

3   transmitting the form to the mobile device, if no mappings for the form

4   exist;

5   receiving at least one selection of information to be entered into the at

6   least one field of the form into which information is to be entered made by the

7   user of the mobile device; and

8   transmitting the form including the selected information to the application

9   program.

1   41.   The computer program product of claim 40, wherein the at least one

2   selection of information is made from information stored in a compartment for

3   information in the wallet.

1   42.   The computer program product of claim 41, further comprising the step

2   of:

3   creating information mapping at least one field of the form into which

4   information is to be entered to the at least one compartment for information in the

5   wallet based on the received selection of information made by the user.